Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY **PATENT APPLICATION TRANSMITTAL**

Attorney Docket No.		No.	9432-000158/DVC		
First Inventor Che			n-Hsiung Cheng, et al.		
Title METHOD OF LA			ASER MILLING USING CONSTANT TOOL PATH		

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b)) Express Mail Label No. | EV 406 075 895 US

		applications under o		press man caber no:				
		ICATION ELEM		ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Roy 1450				
See MPEP c	hapter 600 conce	ming utility patent app	olication contents.	1001120010	F.O. BOX 14		17 17	
2. A A S S (F	Submit an original an applicant claims see 37 CFR 1.2 specification oreferred arranger Descriptive title of Cross References Statement Regard Reference to sequor a computer pro Background of the Brief Summary of	[Total ment set forth below] If the Invention is to Related Application of the Related Application of the Invention of the Drawings (if file ion)	Pages 23] Specification filed in English	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or				
4.	rawing(s) (35 U) Declaration Newly execute Copy from a property of the continual DELETION of the property of t	J.S.C.113) [Total Total Total (original or copy) rior application (37 httion/divisional with OF INVENTOR(5 nt attached deleting in ior application, see 37 L.33(b).	CFR 1.63 (d)) Box 18 completed) S) Inventor(s) CFR 1.76	 English Translation Document (if applicable) Information Disclosure Statement (IDS)/PTO-1449 Citations Preliminary Amendment Return Receipt Postcard (MPEP 503) (Should be specifically itemized) Certified Copy of Priority Document(s) (if foreign priority is claimed) Request and Non Publication under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. Other: Reference to Recorded Assignment of Original Application; Copy of Assignment from Original Application 				
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: 10 / 266,934 Prior application information: Examiner Jonathan Johnson Group / Art Unit: 1725 For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.								
		· · · · · · · · · · · · · · · · · · ·		DENCE ADDRESS				
☑ Customer Number or Bar Code Label 27572 (Insert Customer No. or Attach bar code label here) or □ Correspondence address below								
Name	Harness, Dickey & Pierce, P.L.C.							
•	Gregory A. Stobbs							
Address	P.O. Box 828							
City	Bloomfield Hills State			мі	Zip Code	48303		
Country	Sidile			248-641-1600	Fax	248-641-0270		
Name (Pri	int/Type)	Gregory A. Stobb	s	Registration No. (Attorney/Agent) 28,764				
Signature		fr	in Stold	D .	Date	January 29, 2004		



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	Complete if Known				
FEE TRANSMITTAL	Application Number	Not Yet Assigned			
for FY 2004	Filing Date	Herewith			
	First Named Inventor	Chen-Hsiung Cheng, et al.			
Patent fees are subject to annual revision.	Examiner Name				
Applicant claims small entity status. See 37 CFR 1.27	Art Unit				
TOTAL AMOUNT OF PAYMENT (\$) 770	Attorney Docket No.	9432-000158/DVC			

METHOD OF PAYMENT (check all that apply)							FEE C	ALCULATION (continued)	
☑ Check ☐ Credit card ☐ Money ☐ Other ☐ None				3. ADE	ITIONAL	FEES			
Order				Large	Entity	Small E	ntity		
☐ Deposit Account:					Fee	Fee	Fee	Fac Basedalla	
Deposit				Code	(S)	Code	(\$)	•	Fee Paid
Account	08-0750			1051	130	2051	65	Surcharge - late filing fee or oath	
Number 10					50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
Deposit				1053	130	1053	130	Non-English specification	
Account Harness, Dickey & Pierce, P.L.C.					2,520	1812	2,520	For filing a request for reexamination	
Name	<u> </u>			1804	920*	1804	920*	Requesting publication of SIR prior to	
	uthorized to: (che	eck all that apply) ☑ Credit anv overpayments		1805	1.840°	1805	. 040*	Examiner action	\vdash
		ng the pendency of this app		1605	1,040	1805	1,840*	Requesting publication of SIR after Examiner action	
		cept for the filing fee		1251	110	2251	55	Extension for reply within first month	
to the above-ident	ified deposit accou			1252	420	2252	210	Extension for reply within second	
	FEE CALC	CULATION						month	
1. BASIC FIL	ING FEE			1253	950	2253	475	Extension for reply within third month	
	Small Entity			1254	1,480	2254	740	Extension for reply within fourth month	
	fee Fee <u>Fe</u> Code (\$)	e Description Fee	e Paid	1255	2,010	2255	1,005	Extension for reply within fifth month	
1.7		ility filing fee 770		1401	330	2401	165	Notice of Appeal	
1002 340 2		esign filing fee		1402	330	2402	165	Filing a brief in support of an appeal	
1003 530 2		ant filing fee		1403	290	2403	145	Request for oral hearing	
1		eissue filing fee		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1005 160 2	:005 80 Pro	ovisional filling fee		1452	110	2452	55	Petition to revive - unavoidable	
SUBTOTAL (1) (\$) 770				1453	1,330	2453	665	Petition to revive - unintentional	
				1501	1,330	2501	665	Utility issue fee (or reissue)	
2. EXTRA CLAIN		Extra Fee from	Fee	1502	480	2502	240	Design issue fee	
		Claims below	ree Paid	1503	640	2503	320	Plant issue fee	
Total Claims 4	-20 ** = 0		0	1460	130	1460	130	Petitions to the Commissioner	
Independent Claims 1	-3 ** = 0	x =	0	1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
	3 =			1806	180	1806	180	Submission of Information Disclosure Strnt	
Multiple Dependent X = 0 Recording each patent assignment									
Large Entity	Small Entity			8021	40	8021	40	per property (times number of properties)	
Fee Fee Code (\$)	Fee Fee Code (\$)	Fee Description		1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1202 18	2202 9	Claims in excess of 20		1810	770	2810	385	For each additional invention to be	-
1201 86	2201 43	Independent claims in exce	ess of 3	i				examined (37 CFR § 1.129(b))	
1203 290	2203 145	Multiple dependent claim, i	•	1801	770	2801	385	Request for Continued Examination (RCE)	
1204 86	2204 43	** Reissue independent cla original patent	ims over	1802	900	1802	900	Request for expedited examination	—
		• •	s of 20 and	''''	500	. 1002	300	of a design application	
1205 18 2205 9 "Reissue claims in excess of 20 and over original patent									
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SUBTOTAL (2) (\$) 0				*Reduced by Basic Filing Fee Paid SUBTOTAL (3)					
				neuu	ceu by B	asic Filli	y ree P	aid SUBTOTAL (3) (\$) 0	
or number prev	riously paid, if grea	ater; For Reissues, see abo	ve						

1	SUBMITTED BY		Complete (if applicable)			
ŀ	Name (Print/Type)	Gregory A. Sjobbs	Registration No. Attorney/Agent)	28,764	Telephone	(248) 641-1600
	Signature	Tree	Stollo		Date	January 29, 2004

WARNING: Information on his form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

Not Yet Assigned

Filing Date:

Herewith

Applicant:

Chen-Hsiung Cheng, et al.

Group Art Unit:

Unknown

Examiner:

Unknown

Title:

Method of Laser Milling Using Constant Tool Path Algorithm

Attorney Docket:

9432-000158/DVC

Director of The United States Patent and Trademark Office P.O. Box 1450 Alexandria, Virginia 22313-1450

REFERENCE TO RECORDED ASSIGNMENT OF ORIGINAL APPLICATION

Sir:

This application is a divisional application of U.S. Application No. 10/266,934. A prior assignment of the original application is recorded in the U.S. Patent and Trademark Office at Reel 013623, Frame 0372 and a copy of the assignment is provided herewith. This assignment recorded against the original application gives the assignee rights to the subject matter common to both applications.

Respectfully submitted,

Dated: January 29, 2004

Reg. No. 28,764

HARNESS, DICKEY & PIERCE, P.L.C. P.O. Box 828 Bloomfield Hills, Michigan 48303 (248) 641-1600